

HISTORIC AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

HAER
ALA
37-BIRM,
45J-

Stockham Pipe & Fittings Co.,
Malleable Annealing Building
Birmingham Industrial District
4000 10th Avenue North
Birmingham
Jefferson County
Alabama

HAER No. AL-49-J

NOTE: Photographs taken by Jet Lowe, Spring 1994.

- AL-49-J-1 MALLEABLE INSPECTION STATION WHERE WORKERS
ELIMINATE MALFORMED CASTINGS AND SEPARATED GOOD
CASTINGS PRIOR TO ANNEALING.
- AL-49-J-2 NIAGARA SHEAR CUTTING MACHINES USED TO SHEAR GATES
AND REMAINING EXCESS METAL OFF OF ANNEALED
MALLEABLE CASTINGS.
- AL-49-J-3 AUTOMATED MALLEABLE ANNEALING OVENS SLOWLY HEAT
AND COOL CASTINGS AS THEY MOVE IN BINS ALONG
TRACKS IN THE OVEN BOTTOM IN THE MALLEABLE
ANNEALING BUILDING. THIS PROCESS TRANSFORMS
BRITTLE WHITE IRON CASTINGS INTO SOFTER, STRONGER
MALLEABLE IRON.
- AL-49-J-4 QUENCHING TUMBLING MILL TUMBLES CASTINGS OVER EACH
OTHER TO REMOVE RUNNERS AND SPRUES WHILE QUICKLY
COOLING THEM WITH WATER IN THE MALLEABLE ANNEALING
BUILDING. THIS PROCESS ENSURES CASTINGS FORM
WHITE IRON PRIOR TO BEING ASSEMBLED.